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Atty. Dkt. No. 089367-0125

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Kimikazu MATSUMOTO

Title: ACTIVE MATRIX TYPE LIQUID CRYSTAL
DISPLAY DEVICE AND METHOD OF
MANUFACTURING THE SAME

Appl. No.: 10/800,738

Filing Date: 03/16/2004

Examiner: R. H. Kim

Art Unit: 2871

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Mail Stop PATENT APPLICATION
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicant in order to comply with Applicant's duty of disclosure pursuant to 37 CFR §1.56. A copy of each listed document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.



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TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits, and within three (3) months of the mailing date of the foreign counterpart application Office Action.

CERTIFICATION

The undersigned hereby certifies in accordance with 37 C.F.R. 1.97(e)(1) that the items listed on the Form PTO SB/08 submitted with this Information Disclosure Statement were first cited in a communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of this Statement.

RELEVANCE OF EACH DOCUMENT

The relevance of the foreign-language document is described in the present specification listed document was cited by the Korean Patent Office (KRO) in connection with a counterpart application. In reference to the cited reference, the KRO stated as follows:

“1. The present invention relates to an active matrix liquid crystal display device comprising a common electrode which opposes a data line across an insulating film on the substrate and has a slit in the area that overlaps with said data line; and a pixel electrode which generates an electric field between itself and said common electrode.

On the other hand, the liquid crystal display device of Korean Unexamined Patent Application Publication 1998-33299 (July 25, 1998; hereinafter “Cited Invention 1”) has a structure arranged such that the common electrode covers the data line, and in Claims 4 to 5 of Cited Invention 1, it is stated that the common electrode is arranged closer from the liquid crystal layer than the data line, and that the common electrode has a slit area formed above the data line. Furthermore, Korean Unexamined Patent Application Publication 2001-6187 (January 26, 2001; hereinafter, “Cited Invention 2”) relates to a lateral electric field type liquid crystal display device, wherein the pixel electrode and the opposed electrode are formed in a comb tooth shape on the same organic film, and the opposed electrode covers the video signal line on the insulating film.

Comparing the present invention to Cited Inventions 1 and 2, the structure of the present invention comprising the common electrode overlapping with the data line is similar to Cited Inventions 1 and 2, and the structure of the common electrode having a slit is similar to Cited Invention

1. Furthermore, the structure of arranging the common electrode and pixel electrode on the same surface is similar to Cited Invention 2.

Therefore, it is judged that the present invention could have been easily invented without any difficulty of technical configuration by a person having ordinary knowledge in this technical field on the basis of Cited Inventions 1 and 2 or a combination of the constitutive elements of these cited inventions (Article 29, Paragraph 2 of the Patent Law).

2. In the language of Claims 1 and 10 of the present invention, viz. "one end of the electric current path has a current path connected together opposed to the aforementioned data line.... the opposed control terminal connected together... to the other end of the current path of the switching element," the connection relationship between the component elements is not clear. Furthermore, with respect to the language of Claim 26 and Claim 41, the expression "... aforementioned common electrode and/or aforementioned pixel electrode..." is not found to clearly describe the constitution of the invention (Article 42, Subsection 4, Paragraph 2 of the Patent Law).

(Attachments)

Attachment 1 Reproduction of Korean Unexamined Patent Application Publication 1998-33299 (July 25, 1998) 1 copy

Attachment 2 Reproduction of Korean Unexamined Patent Application Publication 2001-6187 (January 26, 2001) 1 copy"

Full English-language translations of the foreign-language documents are not readily available. However, the absence of such translations does not relieve the PTO from its duty to consider the submitted foreign language documents (37 CFR §1.98 and MPEP §609).

Applicant respectfully requests that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to

Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date 7/26/04

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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/800,738
Date Submitted: July 26, 2004		Filing Date	03/16/2004
(use as many sheets as necessary)		First Named Inventor	Kimikazu MATSUMOTO
Sheet	1	Group Art Unit	2871
		Examiner Name	R. H. Kim
		Attorney Docket Number	089367-0125

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO)

⁴Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁵Applicant is to place a check mark here if English language Translation is attached.

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